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OM protein - protein search, using sw model

Run on: March 24, 2003, 16:03:35 ; Search time 18.5864 Seconds

(without alignments)
750.746 Million cell updates/sec

Title: US-09-988-971-2

Sequence: 1 MGSILPFRKSLPSLSVSSV.....RESISFYISLNDVAVSLDA 261

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 221153 seqs, 53462247 residues

221153

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Database :

Published Applications AA:*

- 1: /cgn2_6/prodata/1/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/prodata/1/pubpaa/PCIT_NEW_PUB.pep.*
- 3: /cgn2_6/prodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/prodata/1/pubpaa/US07_NEW_PUB.pep.*
- 5: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pep.*
- 6: /cgn2_6/prodata/1/pubpaa/US09_PUBCOMB.pep.*
- 7: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pep.*
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- 9: /cgn2_6/prodata/1/pubpaa/US09_PUBCOMB.pep.*
- 10: /cgn2_6/prodata/1/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/prodata/1/pubpaa/US10_NEW_PUB.pep.*
- 12: /cgn2_6/prodata/1/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/prodata/1/pubpaa/US60_NEW_PUB.pep.*
- 14: /cgn2_6/prodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	830	61.4	159	10	US-09-987-550-954
2	586	43.4	113	10	US-09-987-550-1916
3	485.5	35.9	276	9	US-09-870-759-64
4	452.5	33.5	96	10	US-09-867-550-952
5	374.5	27.7	512	9	US-09-977-260-16
6	374.5	27.7	512	10	US-09-977-269-16
7	364.5	27.0	505	9	US-09-977-260-17
8	364.5	27.0	505	10	US-09-977-269-17
9	356.5	26.4	505	10	US-09-771-161A-186
10	348.5	25.8	499	9	US-09-977-260-19
11	348.5	25.8	499	10	US-09-977-269-19
12	344	25.5	509	9	US-09-977-260-18
13	344	25.5	509	10	US-09-977-269-18
14	326.5	23.2	454	10	US-09-771-161A-95
15	322.5	23.9	537	10	US-09-771-161A-212
16	322.5	23.9	537	10	US-09-771-161A-213
17	319.5	23.6	311	10	US-09-771-161A-121
18	319.5	23.6	387	10	US-09-771-161A-122
19	319.5	23.6	537	9	US-09-977-260-11

20	319.5	23.6	537	10	US-09-977-269-11	Sequence 11, App1
21	319.5	23.6	543	9	US-09-977-260-14	Sequence 14, App1
22	319.5	23.6	543	10	US-09-977-269-14	Sequence 14, App1
23	316.5	23.4	529	9	US-09-977-260-15	Sequence 15, App1
24	316.5	23.4	529	10	US-09-977-269-15	Sequence 15, App1
25	305	22.6	536	9	US-09-977-260-12	Sequence 12, App1
26	305	22.6	536	10	US-09-977-269-12	Sequence 12, App1
27	280.5	20.8	536	9	US-09-977-260-13	Sequence 13, App1
28	280.5	20.8	536	10	US-09-929-266-10	Sequence 10, App1
29	280.5	20.8	536	10	US-09-977-269-13	Sequence 13, App1
30	233	17.2	505	9	US-09-977-260-6	Sequence 6, App1
31	233	17.2	505	10	US-09-977-269-6	Sequence 6, App1
32	233	17.2	505	10	US-09-982-610-20	Sequence 20, App1
33	199.5	14.8	162	10	US-09-964-117-1	Sequence 1, App1
34	199.5	14.7	91	9	US-10-097-534-62	Sequence 62, App1
35	186.5	13.8	357	9	US-09-929-266-9	Sequence 9, App1
36	186.5	13.8	450	9	US-09-977-260-7	Sequence 7, App1
37	186.5	13.8	450	10	US-09-977-269-7	Sequence 7, App1
38	181.5	13.4	620	9	US-09-977-260-9	Sequence 9, App1
39	181.5	13.4	620	10	US-09-977-269-9	Sequence 9, App1
40	171.5	12.7	217	10	US-09-964-761-36076	Sequence 36076, A
41	170	12.6	31	10	US-10-016-634A-171	Sequence 171, App
42	156.5	11.6	197	9	US-10-045-202-4	Sequence 4, App1
43	152	11.3	659	9	US-10-045-202-8	Sequence 8, App1
44	150	11.1	659	9	US-09-977-260-8	Sequence 8, App1
45	150	11.1	659	9	US-10-045-202-2	Sequence 2, App1

ALIGNMENTS

RESULT 1
US-09-987-550-954
Sequence 954, Application US/09867550
GENERAL INFORMATION:
APPLICANT: Leach, Martin D.
APPLICANT: Mehraban, Fuad
APPLICANT: Conley, Pamela
APPLICANT: Law, Debbie
TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
FILE REFERENCE: 21402-013 (Cura-313)
CURRENT FILING DATE: 2001-09-20
PRIOR APPLICATION NUMBER: USN 60/208,427
PRIOR FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 2125
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 954
LENGTH: 159
TYPE: PRT
ORGANISM: Homo sapiens
US-09-987-550-954

Query Match 61.4%; Score 830; DB 10; Length 159;
Best Local Similarity 100.0%; Pred. No. 1.5e-71;
Matches 159; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MGSILPFRKSLPSLSVSSVQGGPVTEARSKATVALGSPGPAEILRLGPELT	60
DB	1	MGSILPFRKSLPSLSVSSVQGGPVTEARSKATVALGSPGPAEILRLGPELT	60
QY	61	IVSEDDWMTVLSSVSGRENTIPSVYAKVSHGLVBSRKAEELLPLPGNGAFLL	120
DB	61	IVSEDDWMTVLSSVSGRENTIPSVYAKVSHGLVBSRKAEELLPLPGNGAFLL	120
QY	121	RESQTRGYSLSVRLSRPAMDRIRHRIICLNDGMLY	159
DB	121	RESQTRGYSLSVRLSRPAMDRIRHRIICLNDGMLY	159

RESULT 2

US-09-867-550-1916
Sequence 1916, Application US/09867550
Patent No. US20020082206A1
GENERAL INFORMATION:
APPLICANT: Leach, Martin D.
APPLICANT: Mehraban, Foad,
APPLICANT: Conley, Pamela
APPLICANT: Law, Debbie
APPLICANT: Topper, James
TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
TITLE OF INVENTION: Thereby
FILE REFERENCE: 21402-013 (Cura-313)
CURRENT FILING DATE: 2001-09-20
PRIOR APPLICATION NUMBER: US/09/867,550
PRIOR FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 2125
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1916
LENGTH: 113
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: VARIANT
LOCATION: (1)
OTHER INFORMATION: wherein Xaa may be any one of Arg or Gly or Tyr
US-09-867-550-1916

Query Match 43.4%; Score 586; DB 10; Length 113;
Best Local Similarity 100.0%; Pred. No. 1.5e-48;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 150 IHCLDNGMLYISPRITPSPALVHYSELADICCLKEPCVLRAGPLGKIDPLPT 209
Db 2 IHCLDNGMLYISPRITPSPALVHYSELADICCLKEPCVLRAGPLGKIDPLPT 61

Qy 210 VORTPLMKELDSLSEAAATGEESLSEGRRESLSEFYSLNDEAVSLDDA 261
Db 62 VORTPLMKELDSLSEAAATGEESLSEGRRESLSEFYSLNDEAVSLDDA 113

RESULT 3

US-09-870-759-64
Sequence 64, Application US/09870759
Patent No. US2002017551A1
GENERAL INFORMATION:
APPLICANT: TERMAN, David S
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
FILE REFERENCE: 870759
CURRENT APPLICATION NUMBER: US/09/870,759
CURRENT FILING DATE: 2002-01-14
PRIOR APPLICATION NUMBER: US 60/208,128
PRIOR FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 166
SOFTWARE: PatentIn version 3.1
SEQ ID NO 64
LENGTH: 276
TYPE: PRT
ORGANISM: Homo sapiens
US-09-870-759-64

Query Match 35.9%; Score 485.5; DB 9; Length 276;
Best Local Similarity 40.7%; Pred. No. 1.9e-38;
Matches 103; Conservative 43; Mismatches 84; Indels 23; Gaps 4;

Qy 9 KSLSPSSLSVQGGPVTMEAKSKATVALGSPAGPAELSLRLGEPITVISEDGW 68
Db 6 KSTPAPA-----RPLPNEGLEDSDFLAVLDVPSGAGGSPFIFRGGKLRVISEDGW 58

Qy 69 WTULSEVSGREYNISVHVAVSHGWLVEGLSREKAEHLLLLPGNPGAFILRSOTRRG 128
Db 59 WKALISLSTGREGYIFGICVAVVHGMFLGRLGRDAEELLQLPDTVSGFMIRSETRKG 118

Qy 129 SYSLSVLSRSPASWDRIHRYHICLDNGMLYISPRITPSPALVHYSELADICCLK 188
Db 119 FYSLSVR-----HQVGHYRIFPLPNMNYISPRITPSPALVHYSELADICCLK 172
Qy 169 EPCVLRAGPLGKIDPLPTVORTPLMKELDSLSEAAATG-----ESLSEGL 241
Db 173 TPCLTOSTAARAVRASSSPVTLRKATVDMRRSR---LQEDPGTENPLGVDESIFSYGL 229
Qy 242 RESLSFYSLNDE 254
Db 230 RESIASYSLTSE 242

RESULT 4

US-09-867-550-952
Sequence 952, Application US/09867550
Patent No. US20020082206A1
GENERAL INFORMATION:
APPLICANT: Leach, Martin D.
APPLICANT: Mehraban, Foad,
APPLICANT: Conley, Pamela
APPLICANT: Law, Debbie
APPLICANT: Topper, James
TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
TITLE OF INVENTION: Thereby
FILE REFERENCE: 21402-013 (Cura-313)
CURRENT FILING DATE: 2001-09-20
PRIOR APPLICATION NUMBER: US/09/867,550
PRIOR FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 2125
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 952
LENGTH: 96
TYPE: PRT
ORGANISM: Homo sapiens
US-09-867-550-952

Query Match 33.5%; Score 452.5; DB 10; Length 96;
Best Local Similarity 76.8%; Pred. No. 6e-36;
Matches 96; Conservative 0; Mismatches 0; Indels 29; Gaps 1;

Qy 1 MGSLSRRKSLSPSSLSVQGGPVTMEAKSKATVALGSPAGPAELSLRLGEPIT 60
Db 1 MGSLSRRKSLSPSSLSVQGGPVTMEAKSKATVALGSPAGPAELSLRLGEPIT 60

Qy 61 IYSEGDWWTULSEVSGREYNISVHVAVSHGWLVEGLSREKAEHLLLLPGNPGAFIL 120
Db 61 IYSE-----WLYEGLSREKAEHLLLLPGNPGAFIL 91

Qy 121 RESQT 125
Db 92 RESQT 96

RESULT 5

US-09-977-260-16
Sequence 16, Application US/09977260
Patent No. US20020192790A1
GENERAL INFORMATION:
APPLICANT: ULBRICH, AXEL
APPLICANT: GISHIZKY, MIKHAIL
APPLICANT: SURES, IRMINGARD
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
FILE REFERENCE: 038602/1260
CURRENT APPLICATION NUMBER: US/09/977,260
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 08/232,545
PRIOR FILING DATE: 1994-04-22
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 16

LENGTH: 512
TYPE: PRT
ORGANISM: Homo sapiens
US-09-977-260-16

Query Match
Best Local Similarity 40.3%; Pred. No. 1.6e-27;
Matches 81; Conservative 36; Mismatches 75; Indels 9; Gaps 3;

6 SRRKSLPSPSSVGGQGPVTMEAKSKATAVALGSPAGPAELSLRLGEPLTIVSED 65
38 SNKQQRVPVE-SQLLPGRFQTKDEEGCDIVVALPYDGIHPDLDFKKGEMKVLSEH 96
66 GDMWTVLSEVSGREYNIPSVHAKV---SHGWLVEGLSREKAEELLPLPGNPGAFILIR 121
97 GEMWKAISLITKEGFIPISNYAKLNTLETENWFFKDIRKDAERQLAAGNAGAFILIR 156
122 ESQTRGSGYSLSVRLSPASMDRIHRYRIHCLDNGMLYISPLTFPSLQALVDHYSELAD 181
157 ESETLKGSFSLSVRDPDVHGDIKHKIRSLDNGSYISPLTFPCISDMIRHYOKQAD 216
182 DICCLKEPCVLQAGPLPGK 202
217 GLCRLEKACI-----SPKPK 233

RESULT 6
US-09-977-269-16
Sequence 16, Application US/09977269
Patent No. US2002082037A1
GENERAL INFORMATION:
APPLICANT: ULIRICH, AXEL
APPLICANT: GISHIZKY, MIKHAIL
APPLICANT: SURES, IRMINGARD
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
FILE REFERENCE: 038602/1260
CURRENT APPLICATION NUMBER: US/09/977,269
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 08/232,545
PRIOR FILING DATE: 1994-04-22
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 16
LENGTH: 512
TYPE: PRT
ORGANISM: Homo sapiens
US-09-977-269-16

Query Match
Best Local Similarity 40.3%; Pred. No. 1.6e-27;
Matches 81; Conservative 36; Mismatches 75; Indels 9; Gaps 3;

6 SRRKSLPSPSSVGGQGPVTMEAKSKATAVALGSPAGPAELSLRLGEPLTIVSED 65
38 SNKQQRVPVE-SQLLPGRFQTKDEEGCDIVVALPYDGIHPDLDFKKGEMKVLSEH 96
66 GDMWTVLSEVSGREYNIPSVHAKV---SHGWLVEGLSREKAEELLPLPGNPGAFILIR 121
97 GEMWKAISLITKEGFIPISNYAKLNTLETENWFFKDIRKDAERQLAAGNAGAFILIR 156
122 ESQTRGSGYSLSVRLSPASMDRIHRYRIHCLDNGMLYISPLTFPSLQALVDHYSELAD 181
157 ESETLKGSFSLSVRDPDVHGDIKHKIRSLDNGSYISPLTFPCISDMIRHYOKQAD 216
182 DICCLKEPCVLQAGPLPGK 202
217 GLCRLEKACI-----SPKPK 233

RESULT 7
US-09-977-260-17
Sequence 17, Application US/09977260
Publication No. US20020192790A1

GENERAL INFORMATION:
APPLICANT: ULIRICH, AXEL
APPLICANT: GISHIZKY, MIKHAIL
APPLICANT: SURES, IRMINGARD
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
FILE REFERENCE: 038602/1260
CURRENT APPLICATION NUMBER: US/09/977,260
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 08/232,545
PRIOR FILING DATE: 1994-04-22
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 17
LENGTH: 505
TYPE: PRT
ORGANISM: Homo sapiens
US-09-977-260-17

Query Match
Best Local Similarity 42.2%; Pred. No. 1.4e-26;
Matches 78; Conservative 31; Mismatches 69; Indels 7; Gaps 2;

12 PSPSLSSVGGQGPVTMEAKSKATAVALGSPAGPAELSLRLGEPLTIVSEDGDMWTV 71
40 GPMNSHNS--NTPGIREAGSEDIIVVALYDEAIHEDDSFQKGDQWVLEESGEMWKA 96
72 LSEVSGREYNIPSVHAKV---SHGWLVEGLSREKAEELLPLPGNPGAFILIRSQTR 127
97 RSLATREGYIPSNYAVRVDLSLETENWFFKGISRDAERQLAAGNAGAFILIRSETTK 156
128 GSYLSVRLSPASMDRIHRYRIHCLDNGMLYISPLTFPSLQALVDHYSELADICCL 187
157 GSYLSVRLSPASMDRIHRYRIHCLDNGMLYISPLTFPSLQALVDHYSELADICCL 216
188 KEPCV 192
217 SVPCM 221

RESULT 8
US-09-977-269-17
Sequence 17, Application US/09977269
Patent No. US2002082037A1
GENERAL INFORMATION:
APPLICANT: ULIRICH, AXEL
APPLICANT: GISHIZKY, MIKHAIL
APPLICANT: SURES, IRMINGARD
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
FILE REFERENCE: 038602/1260
CURRENT APPLICATION NUMBER: US/09/977,269
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 08/232,545
PRIOR FILING DATE: 1994-04-22
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 17
LENGTH: 505
TYPE: PRT
ORGANISM: Homo sapiens
US-09-977-269-17

Query Match
Best Local Similarity 42.2%; Pred. No. 1.4e-26;
Matches 78; Conservative 31; Mismatches 69; Indels 7; Gaps 2;

12 PSPSLSSVGGQGPVTMEAKSKATAVALGSPAGPAELSLRLGEPLTIVSEDGDMWTV 71
40 GPMNSHNS--NTPGIREAGSEDIIVVALYDEAIHEDDSFQKGDQWVLEESGEMWKA 96
72 LSEVSGREYNIPSVHAKV---SHGWLVEGLSREKAEELLPLPGNPGAFILIRSQTR 127
97 RSLATREGYIPSNYAVRVDLSLETENWFFKGISRDAERQLAAGNAGAFILIRSETTK 156

Query Match 25.8%; Score 348.5; DB 9; Length 499

Sequence 18, Applicant US/09977260
Publication No. US20020192790A1
GENERAL INFORMATION:
APPLICANT: ULRICH, AXEL
APPLICANT: GISHIZKY, MIKHAEL
APPLICANT: SURES, IRMINGARD
TITLE OF INVENTION: NOVEL MEGACARYOCYTIC PROTEIN TYROSINE KINASES
FILE REFERENCE: 038602/1260

RESULT 14
US-09-771-161A-95
; Sequence 95, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:

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Query Match      23.9%; Score 322.5; DB 10; Length 537;
Best Local Similarity 39.3%; Pred. No. 1.5e-22;
Matches 79; Conservative 23; Mismatches 80; Indels 19; Gaps 3

Oy 10 SLPSPLSSSSVCGCGPYTMAEKKATK-----VAGSFPAGGAAATSLRL 55
Db 46 SLPYNNYHFAAGGGLTVFGGVNNSSHHGTGLRTRGGTGTLTFAVLYDYEAKRPEDDLSSHK 105

Oy 55 CEPGLTY-SEDDMMWTVLVSFSGREYNIPSYHAKY---SHGKLYEGLSREKABELLL 110
Db 106 GKKQILNSBEDMMWEARSLLTGTGTYIPSYVAAPDSTQAEWYFCKYGRDADARQLLS 165

Oy 111 PGNFGAFLIRBSQTRRGYSYLSVLSHPASMDIRIHRHYICLDNGMLYSIRLTFPBLQ 170

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Db 166 FGNPRGTFLIRESETTKGYSLSIRDMDMDKGDHVGKIRKLDNGGYITTRAPFETIQ 225
Qy 171 ALVDHYSELADDICCLXERC 191
Db 226 QLVQHYSERANGLCCLVPC 246

Search completed: March 24, 2003, 16:06:07
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